

B. In the Claims

Please amend claims 10, 14, 20 and 21 as indicated below. Upon entry of the present amendment, the status of the claims will be as follows:

1. (Original) A substantially pure Mcl-1 gene regulatory element, comprising a sequence of at least about twenty contiguous nucleotides of a nucleotide sequence set forth as nucleotides 1495 to 1657 of SEQ ID NO: 1.

2. (Original) The Mcl-1 gene regulatory element of claim 1, comprising nucleotides 1513 to 1564 of SEQ ID NO: 1.

3. (Original) The Mcl-1 gene regulatory element of claim 1, comprising a nucleotide sequence selected from the group consisting of:

nucleotides 1495 to 1550 of SEQ ID NO: 1;
nucleotides 1495 to 1564 of SEQ ID NO: 1;
nucleotides 1495 to 1606 of SEQ ID NO: 1;
nucleotides 1513 to 1550 of SEQ ID NO: 1;
nucleotides 1513 to 1564 of SEQ ID NO: 1; and
nucleotides 1513 to 1606 of SEQ ID NO: 1.

4. (Original) The Mcl-1 gene regulatory element of claim 1, comprising a nucleotide sequence selected from the group consisting of:

nucleotides 1550 to 1657 of SEQ ID NO: 1; and
nucleotides 1606 to 1657 of SEQ ID NO: 1.

5. (Original) The Mcl-1 gene regulatory element of claim 1, comprising nucleotides 1495 to 1657 of SEQ ID NO: 1.

6. (Original) A vector, comprising the Mcl-1 gene regulatory element of claim 1.

7. (Original) The vector of claim 6, which is an expression vector.

8. (Original) The vector of claim 6, further comprising a heterologous nucleic acid molecule operatively linked to said Mcl-1 gene regulatory element.

9. (Previously presented) An isolated host cell containing the vector of claim 6.

10. (Currently amended) A substantially pure nucleic acid molecule encoding an Mcl-1 polypeptide, the nucleic acid molecule comprising nucleotides 1727 to 3884 of SEQ ID NO: 1; or a nucleic acid molecule fully complementary thereto.

11. (Original) The nucleic acid molecule of claim 10, comprising nucleotides 1657 to 3884 of SEQ ID NO: 1.

12. (Original) The nucleic acid molecule of claim 10, comprising nucleotides 1495 to 3884 of SEQ ID NO: 1.

13. (Original) The nucleic acid molecule of claim 10, comprising nucleotides 1 to 8253 of SEQ ID NO: 1.

14. (Currently amended) A substantially pure polynucleotide encoding the Mcl-1s/ΔTM amino acid sequence as set forth in SEQ ID NO: 3; or a polynucleotide fully complementary thereto.

15. (Original) The polynucleotide of claim 14, comprising nucleotides 1727 to 2414 of SEQ ID NO: 1 operatively linked to nucleotides 3768 to 3884 of SEQ ID NO: 1.

16. (Original) A vector comprising the polynucleotide of claim 14.
17. (Original) The vector of claim 16, which is an expression vector.
18. (Previously presented) An isolated host cell, which contains the vector of claim 16.
19. (Original) The polynucleotide of claim 14, which is a polyribonucleotide.
20. (Currently amended) A substantially pure oligonucleotide, comprising at least ten fifteen contiguous nucleotides that are complementary to and hybridize specifically to an Mcl-1s/ΔTM splice junction comprising a nucleotide sequence of SEQ ID NO: 1 selected from the group consisting of:
 - a nucleotide sequence comprising nucleotide position 2414 of SEQ ID NO: 1;
 - a nucleotide sequence comprising nucleotide position 2766 of SEQ ID NO: 1;
 - a nucleotide sequence comprising nucleotide position 3013 of SEQ ID NO: 1; and
 - a nucleotide sequence comprising nucleotide position 3786 of SEQ ID NO: 1,

wherein at least three nucleotides of said oligonucleotide hybridize to a nucleotide sequence of SEQ ID NO:1 that is 5' and contiguous to said nucleotide position, and

wherein at least three nucleotides of said oligonucleotide hybridize to a nucleotide sequence of SEQ ID NO:1 that is 3' and contiguous to said nucleotide position;

or a polynucleotide fully complementary to said substantially pure oligonucleotide,
~~wherein said polynucleotide comprises at least ten nucleotides.~~

In re Application of:
Craig et al.
Application No.: 09/483,184
Filed: January 14, 2000
Page 6

PATENT
Attorney Docket No.: DART1110-1

21. (Currently amended) A substantially pure oligonucleotide, comprising at least ~~ten~~
~~fifteen contiguous nucleotides that are complementary to and hybridize specifically to an~~
~~Mcl-1s/ΔTM splice junction comprising~~ a nucleotide sequence of SEQ ID NO: 1 comprising
nucleotides 2412 to 2414 of SEQ ID NO: 1 operatively linked and contiguous to nucleotides
3768 to 3770 of SEQ ID NO: 1; or a polynucleotide fully complementary to said substantially
pure oligonucleotide, ~~wherein said polynucleotide comprises at least ten nucleotides.~~

22 to 81. (Cancelled)